

DoD Office of Small Business Programs

USD (A&S)



Cyber Security Project Spectrum Initiative



Project Spectrum Initiative

- Under the authority of NDAA 2019 Sec. 1644: Assistance for small manufacturers in the defense industrial supply chain and universities.
 - (a) DISSEMINATION OF CYBERSECURITY RESOURCES.
 - (b) VOLUNTARY CYBERSECURITY SELF-ASSESSMENTS.
 - (c) TRANSFER OF RESEARCH FINDINGS AND EXPERTISE.
 - (d) DEFENSE ACQUISITION WORKFORCE CYBER TRAINING PROGRAM.
 - (e) ESTABLISHMENT OF CYBERSECURITY FOR DIB MANUFACTURING.
 - (f) AUTHORITY.--In carrying out this section, the Secretary may use the following authorities: (1) The Manufacturing Technology Program established under section 2521 of title 10, United States Code. (2) (3) ... (4) The Small Business Innovation Research program. (5) The mentor-protege program. (6) Other legal authorities as the Secretary determines necessary to effectively and efficiently carry out this section.
- Compliance with existing regulations, DFARS clauses (252.204-7008, 252.204-7012) which requires compliance with NIST SP 800-171, safeguarding of defense-relevant information, and cyber incident reporting.
- Awareness of evolving rules and standards such as the proposed CMMC.



Project Spectrum

- Project Spectrum events and programs will enhance awareness of cybersecurity threats within the manufacturing, research and development, as well as knowledge-based services sectors of the industrial base.
- Project Spectrum will leverage strategic partnerships within and outside of the DoD to accelerate the overall cybersecurity compliance of the DIB.
- **www.Projectspectrum.io** is a web portal that will provide resources such as individualized dashboards, a marketplace, and Pilot Program to help accelerate cybersecurity compliance .



Tools



Outreach



Awareness

Readiness
Check



Continuous
Monitoring



Tool
Prototyping



News &
Events



Discussion
Forum

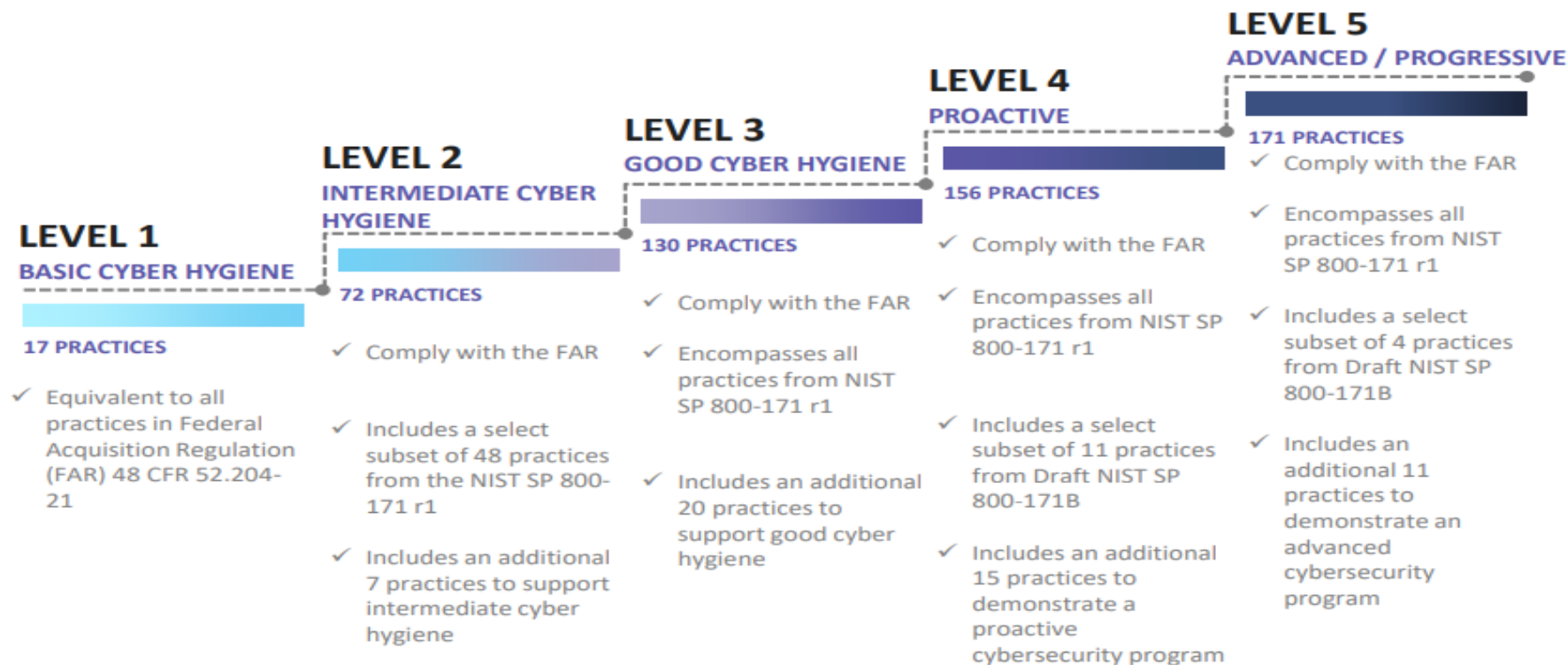


Training
Modules





Cyber Security Maturity Model (CMMC) & NIST 800-171



- “What’s the difference between NIST 800-171 & CMMC?”
- NIST 800-171 compliance practices are all factored into CMMC with industry wide additions at higher levels.
- NIST 800-171 is not going away! It is merely being factored into CMMC



Project Spectrum Big Picture

BASELINE:

Outreach to other DoD Programs that support small business

Outreach to small business via PTACS

Outreach to small business via Industry Assoc.

Readiness check indicates current self attested compliance on NIST and CMMC, output is a graphic with a level check



PS Web Portal audience is small business

Dashboard by Company



Marketplace, etools, other means to stay compliant



Training Resources



PS Pilot Program



Coaching and access to tools we offer at reduced cost



Results in measurable increased compliance



Project Spectrum Partnerships

- Collaborate across industry associations, the Manufacturing Innovation Institutes, and the Mentor-Protégé Program
- Engage partners and infrastructure that already exists and to rapidly stand-up a national capability focused on cybersecurity



U.S. Department of Defense
MANUFACTURING TECHNOLOGY PROGRAM



Mentor Protégé Program Industry Partnerships



Raytheon

**Rockwell
Collins**



BAE SYSTEMS



PARSONS

CACI
EVER VIGILANT

JACOBS

SAIC

GENERAL DYNAMICS
Information Technology

Booz | Allen | Hamilton



Cybersecurity Pilot Program Objectives



- Enroll MPP and other select companies
 - Manufacturing, Research and Development, and Knowledge-based services sectors
 - Possess the necessary resources to respond to vulnerabilities identified during the pilot
- Increase MPP participants compliance and cyber incident reporting
- Foster measurable increases in security awareness
- Provide exclusive training, tools, and advisory services to existing and new MPP participants
- Initial cohort of at least 25 companies targeted for enrollment approx. every 120 days
 - Must agree to 24 month collaboration and information exchange with DoD



PROJECT SPECTRUM FOR MANUFACTURERS



- Manufacturers often use legacy equipment which presents challenges that are harder to patch vulnerabilities and protect from attack.

Unique issues manufacturers face

- Also manufacturers use OT and IOT plant equipment which requires sensors being placed on the network to gather vulnerability data.
- Often multiple geographic locations.
- Do not have on site IT support staff.

Benefits to manufacturers

- Cost conscious tools to assess gap vulnerabilities and link to patches
- Vetted Marketplace to find solutions
- Company dashboard to track compliance journey
- Most recent information on cyber issues
- Reduce cost of compliance NIST/MEP



Pilot Program

Training
Modules



Tool
Prototyping



Sensors on the network to assess
vulnerabilities/Compliance
Management Coach

FOR RESEARCH AND DEVELOPMENT

Who they are: Innovator/Scientist/Researcher/ Startup

- Individual contributors/entrepreneurs
- No company infrastructure
- Limited funding
- Funding largely focused on technology
- Often wholly unaware of DoD acquisition requirements
- Often non-traditional business

Labs & Corporate Spinouts/ Venture-backed & Mature small businesses

- Often commercial business-oriented
- Cybersecurity posture driven primarily by minimal requirements
- May have limited resources allocated to IP and data protection
- Rich targets for acquisition

PROJECT SPECTRUM



Designed to address unique R&D performer challenges



PROJECT SPECTRUM

FOR KNOWLEDGE BASED SERVICES



Unique to Advisory and Assistance Services (A&AS):

- Support R&D and Manufacturing sectors
- Number of employees can be as few as one
- Remote environments
- Cloud data
- Varied software platforms
- Need to collaborate into an existing business workflow



Marketplace of platforms for secure collaboration



Create cybersecurity awareness



Community of many for those who are few

PROJECT SPECTRUM



Cybersecurity Pilot Program Outcome



- Pilot companies show measurable increase in security awareness.
- Pilot companies show increase in NIST SP 800-171 compliance.
- Pilot companies demonstrate readiness for CMMC accreditation.
- Best practices shared among DoD small business community.
- Continuous engagement with DoD small businesses for valued services.



Cyber Security Project Spectrum Initiative Outcome



EDUCATE



10,000

Individuals trained with Live
and Web-Based Training

INSTILL BEST PRACTICES



100

MPP participants engaged
with individualized
solutions

CREATE COMMUNITY



100,000

Active users of web portal

DEVELOP SOLUTIONS



500

DIB firms using prototype tools



Summary

- OSBP is working closely with the CMMC Accrediting Body to prioritize NDAA Sec. 1644(f) program participants.
- OSBP is providing preparedness training for future CMMC compliance and a pilot program that seeks to prepare those companies for CMMC certification.
- Project Spectrum will include a vetted, competitive marketplace to assist small businesses with finding local solutions.
- OSBP is approaching this effort understanding cybersecurity is a business calculus for many companies in the defense supply chain.
- OSBP will help companies understand how strong cybersecurity helps protect data and mitigate business risks associated with unsecured networks.



Upcoming Outreach Events



Date	Partner	Event Description	Delivery Type
5/5/2020	PTAC Connecticut	CMMC Level 1 Preparedness	Webinar
5/6/2020	Cyber Circuits	Defense Contracting DIBCAB	Webinar
5/7/2020	PTAC Ohio	CMMC Level 1 Preparedness	Webinar
5/11/2020	PTAC Kansas (Internal Team)	CMMC Level 1 Preparedness	Webinar
5/13/2020	PTAC Rhode Island	CMMC Level 1 Preparedness	Webinar
5/14/2020	PTAC Kansas Public	CMMC Level 1 Preparedness	Webinar
5/18/2020	PTAC Maryland	CMMC Level 1 Preparedness	Webinar
5/20/2020	Cyber Circuits	Industry Associations	Webinar
5/20/2020	PTAC Virginia	CMMC Level 1 Preparedness	Webinar
5/22/2020	PTAC Wyoming	CMMC Level 1 Preparedness	Webinar
5/27/2020	PTAC Montana	CMMC Level 1 Preparedness	Webinar
5/29/2020	PTAC NW Michigan	CMMC Level 1 Preparedness	Webinar
6/1/2020	CMMC Level 1 Campaign	CMMC Level 1 Domains	ProjectSpectrum.IO
6/3/2020	Cyber Circuits	SBA and Cybersecurity	Webinar
6/5/2020	PTAC Nevada	CMMC Level 1 Preparedness	Webinar
6/9/2020	PTAC Nevada	CMMC Level 1 Preparedness	Webinar
6/17/2020	Cyber Circuits	Silicon Valley and Cybersecurity	Webinar
6/19/2020	PTAC Nevada	CMMC Level 1 Preparedness	Webinar
6/23/2020	PTAC Nevada	CMMC Level 1 Preparedness	Webinar
6/26/2020	PTAC Nevada	CMMC Level 1 Preparedness	Webinar